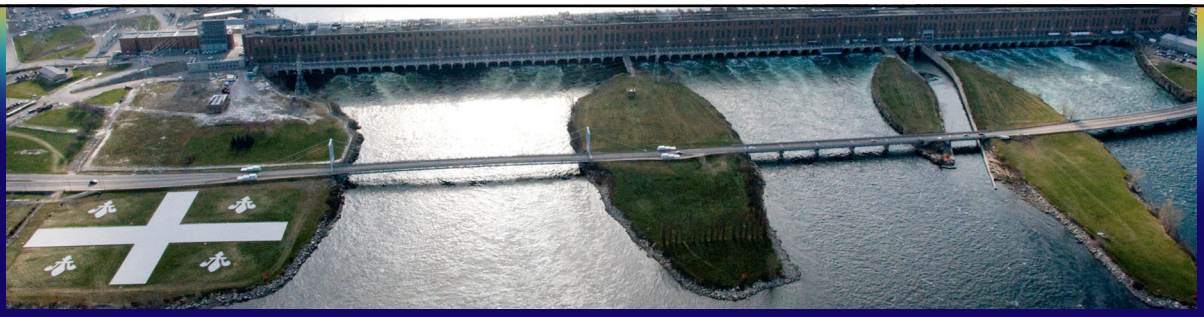


RELIABILITY COORDINATOR

Main Transmission System (RTP) Identification Methodology

MAY 22, 2026

1

RTP METHODOLOGY

Table of contents

- Role of the Register in Québec's Mandatory Reliability Regime
- Register: responsibilities of the RC and of Registered Entities
- RTP definition and basic principle
- Inclusions and Exclusions
- Examples
- Annual self-declaration form
- Additional support
- Survey
- Question period

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Role of the Register within Québec's mandatory reliability framework.

Obligations of the Reliability Coordinator.

1. PURPOSE OF REGISTER

The Register of Entities Subject to Reliability Standards (the Register) identifies the entities subject to Reliability Standards adopted by the Régie de l'énergie (the Régie).[1]

In accordance with Régie decisions, the Register also identifies the NERC Reliability Functional Model functions these entities perform in order to establish the Reliability Standards to which they are subject. In addition, the Register identifies facilities that these entities own or operate, as well as other characteristics relevant to the application of the Reliability Standards.[2]

Source: Register of Entities subject to Reliability Standards | Régie de l'énergie

85.13. The reliability coordinator

1° must submit to the Régie, for approval, a register identifying the entities that are subject to the reliability standards adopted by the Régie;

2° shall fulfil the duties devolved to the reliability coordinator under a reliability standard adopted by the Régie; and

3° may, under a standard adopted by the Régie, provide operating directives.

2006, c. 46, s. 48; 2010, c. 8, s. 6.

Source: R-6.01 - Act respecting the Régie de l'énergie

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Register: Responsibilities of the Registered Entities.

4.1.2 PROCESSUS D'AUTODÉCLARATION

[39] La Méthodologie comporte un processus volontaire d'autodéclaration annuelle permettant aux Entités de déclarer leurs installations à inscrire au Registre en complétant un formulaire d'autodéclaration annuelle.

[40] Il incombe aux Entités de transmettre annuellement au Coordonnateur le formulaire d'autodéclaration dûment complété en spécifiant notamment leurs installations assujetties aux normes de fiabilité avec leurs équipements respectifs[40].

It is the responsibility of the Entities to submit annually to the Coordinator the duly completed self-declaration form, specifying in particular their Facilities subject to Reliability Standards along with their respective equipment.

Source: Decision D-2023-128

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Public

RTP METHODOLOGY

Timeline

Following decision D-2023-128

July 1, 2024
Coming into force of the new RTP definition

July 1, 2025
Elements newly identified as being part of the RTP must comply with Reliability Standards

June 1, 2026
2nd annual self-declaration of registered Entities

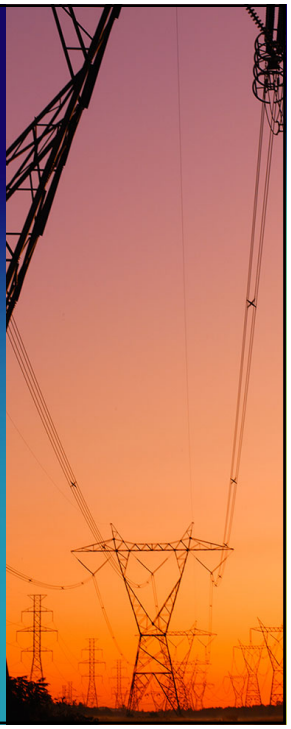
June 1, 2025
First annual self-declaration of registered Entities

December 1, 2025
Annual Register update and RTP Methodology performance review submission to the Régie de l'Énergie

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RTP Definition

(RTP = Réseau de Transport Principal = Main Transmission System)

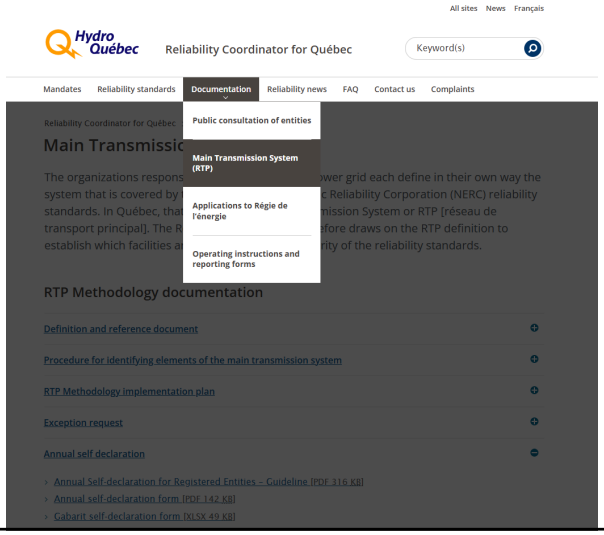


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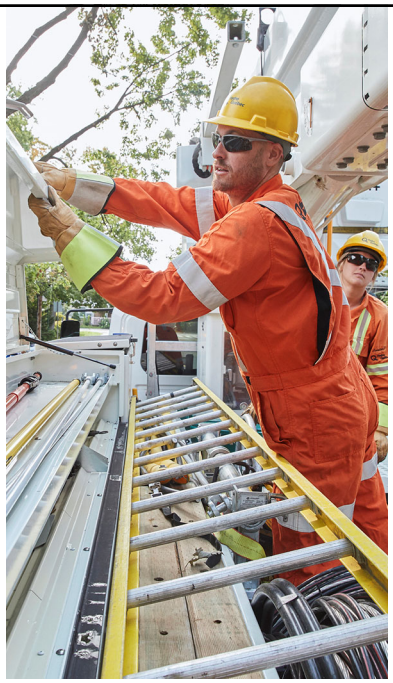
RTP DEFINITION

Documentation available on RC's website

[Main transmission system – Reliability Coordinator | Hydro-Québec]



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RTP METHODOLOGY

Available tools

01 Dedicated webpage

02 Document detailing the definition of RTP

03 Reference document (guidebook)

04 Exception request form

05 Annual self-declaration of Registered Entities

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Public

RTP definition

- **Blue** indicates that an Element is included in the RTP.
- **Green** indicates that an Element is excluded from the RTP.
- **Orange** indicates a point of connection.
- **Black** indicates an Element that has not been evaluated in the case depicted.

Basic principle

- Transmission Elements operated at a voltage of 300 kV or higher.

Inclusions

- I1: Transformers with a terminal operated at 700 kV or higher and associated bus bars.
- I2/I4: Generation resource(s), including DPPR, whose gross aggregate nameplate rating is greater than 75 MVA.
- I3: Blackstart Resources.
- I5: Static or dynamic devices connected to 300 kV or higher.
- I6: Facilities that connect the Québec Interconnection to another Interconnection

Exclusions

- E3: Local networks (between 300 kV and 700 kV)
- E1: Radial systems
- E2: Generating unit(s) on customer's side retail meter that (1) does not inject more than 75 MVA to the system, and (2) standby, back-up, and maintenance power services are provided by BA, GO, GOP or Régie
- E4: Reactive Power devices installed solely for meeting the needs of one or more retail customers

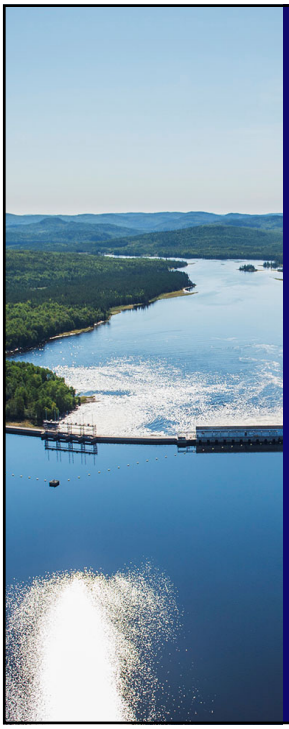
Exclusions have precedence over inclusions (except I6)

Step 1 • Apply the basic principle

Step 2 • Apply all inclusions

Step 3 • Apply all exclusions (starting with E3)

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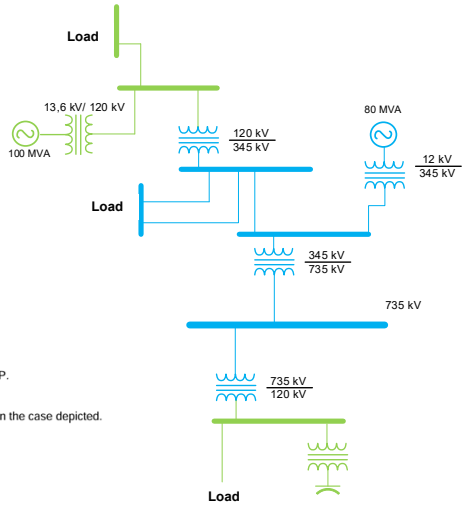
Applying the RTP definition - Examples

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RTP DEFINITION

Applying the RTP definition

Transmission Elements operated at a voltage of 300 kV or higher as well as Active Power and Reactive Power resources connected at a voltage of 300 kV or higher, subject to applicable inclusions and exclusions.



Key to diagram color coding:

- **Blue** indicates that an Element is included in the RTP.
- **Green** indicates that an Element is excluded from the RTP.
- **Orange** indicates a point of connection.
- **Black** indicates an Element that has not been evaluated in the case depicted.

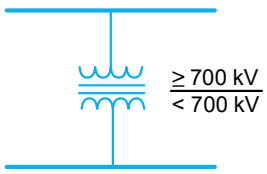
Step 1 – Applying the basic principle

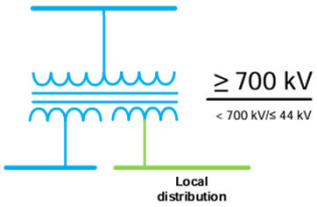
11

RTP DEFINITION

Applying the RTP definition

I1: Transformers with a terminal operated at 700 kV or higher and associated bus bars





Step 2 – Applying inclusions

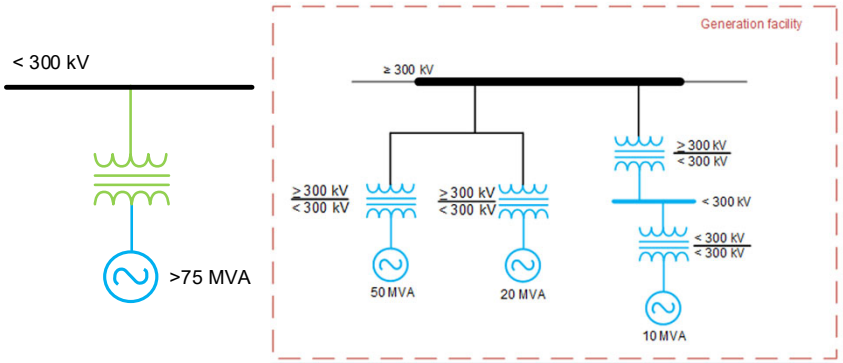
Inclusion I1

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RTP DEFINITION

Applying the RTP definition

I2: Generation resource(s), whose gross aggregate nameplate rating is greater than 75 MVA.



Step 2 – Applying inclusions

Inclusion I2

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RTP DEFINITION

Applying the RTP definition

I3: Blackstart Resources identified in the Transmission Operator's Restoration Plan.

Step 2 – Applying inclusions

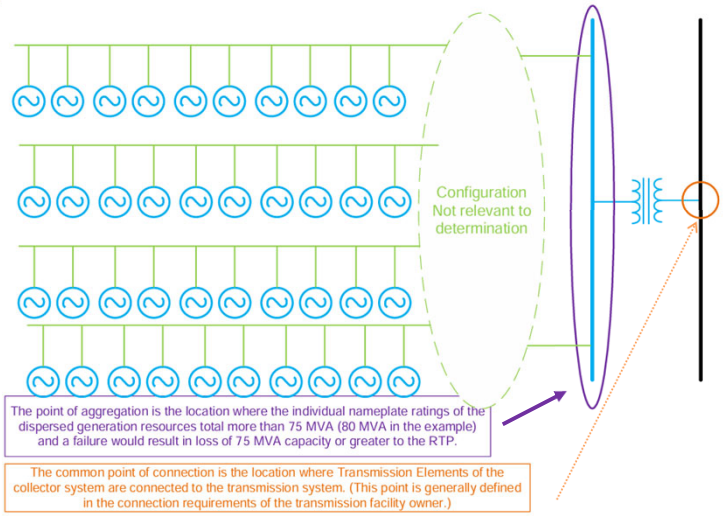
Inclusion I3

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RTP DEFINITION

Applying the RTP definition

I4: Dispersed Power Producing Resources with a gross aggregate nameplate rating greater than 75 MVA.



Step 2 – Applying inclusions

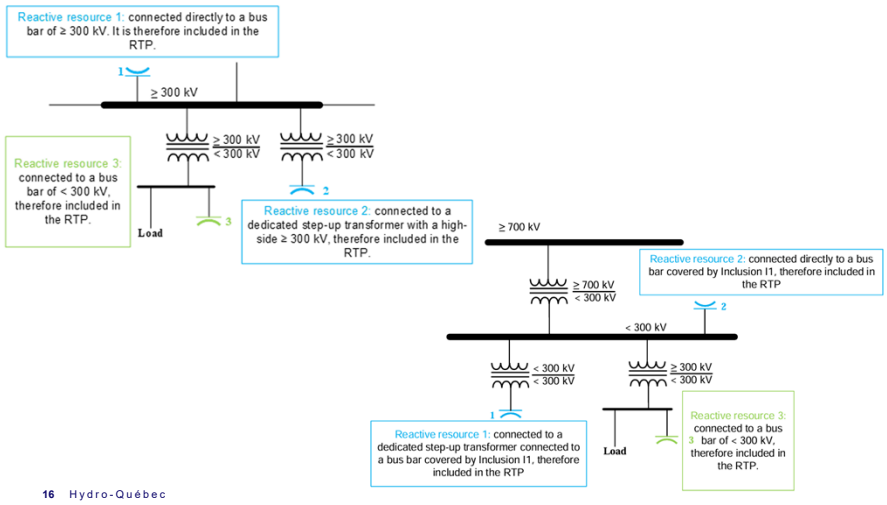
Inclusion I4

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RTP DEFINITION

Applying the RTP definition

I5: Static or dynamic devices (excluding generating units) dedicated to supplying or absorbing Reactive Power



Step 2 – Applying inclusions

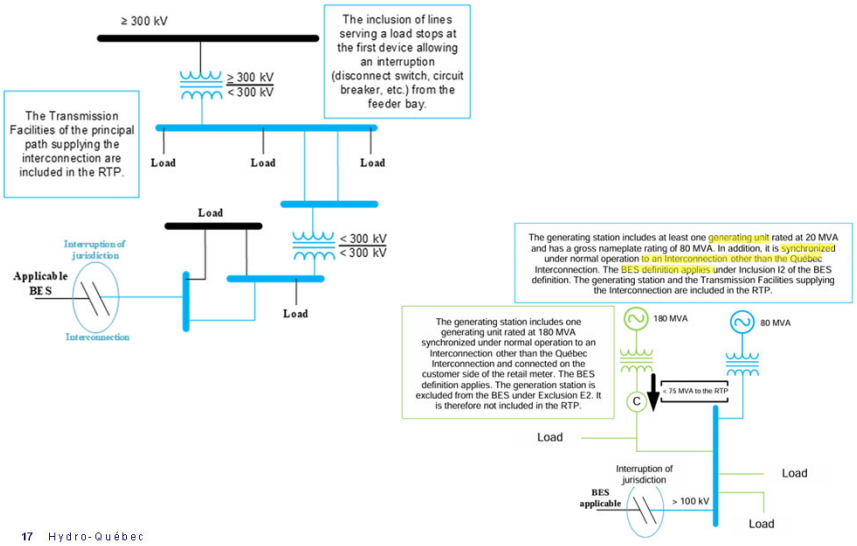
Inclusion I5

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RTP DEFINITION

Applying the RTP definition

I6: Facilities that connect the Québec Interconnection to another Interconnection



Step 2 – Applying inclusions

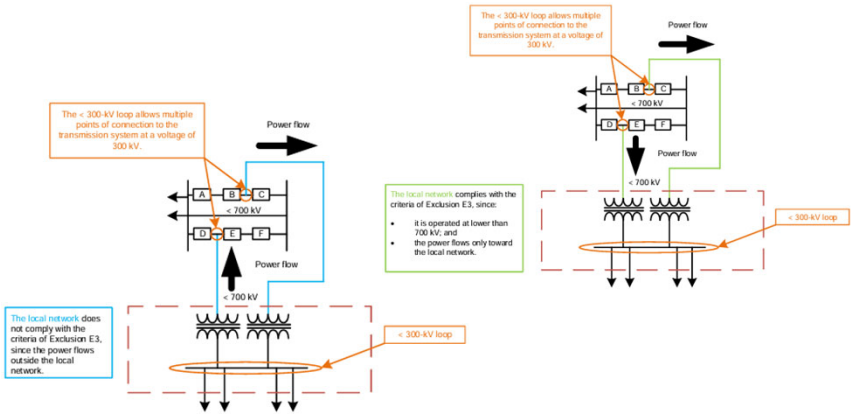
Inclusion I6

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RTP DEFINITION

Applying the RTP definition

Local networks: Between 300 kV and 700 kV, supplied from multiple points of connection, and flow of power is into the local network at each point of interface with the RTP (98% of time on hourly basis over 2 years).



Step 3 – Applying Exclusions

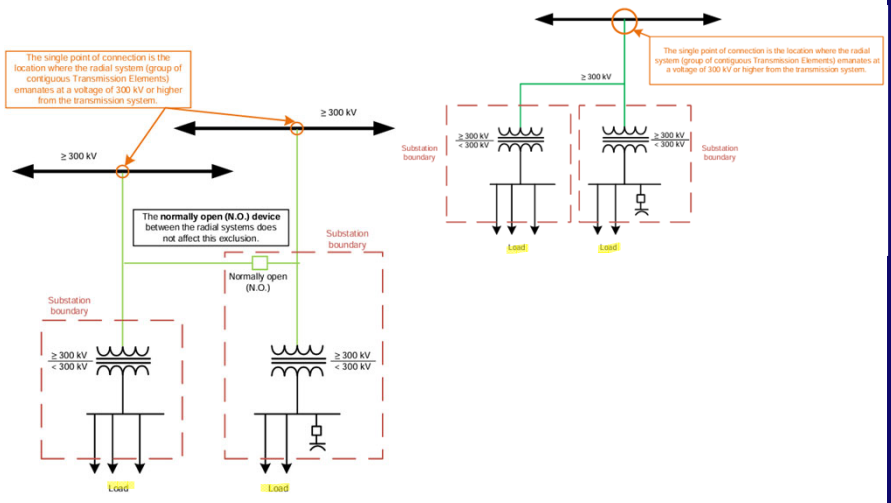
Exclusion E3 (Recommended)

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RTP DEFINITION

Applying the RTP definition

Radial systems: group of contiguous Transmission Elements that emanate from a single point of connection of 300 kV or higher (and unidirectional power transfer)



Step 3 – Applying Exclusions

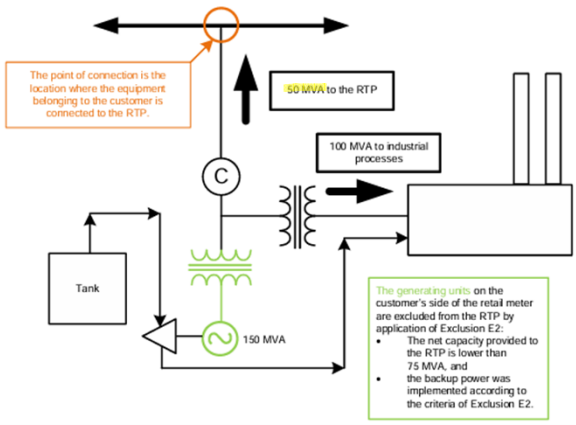
Exclusion E1 (Recommended)

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RTP DEFINITION

Applying the RTP definition

Generating unit(s) on the customer side of the retail meter that serve all or part of the retail Load with electric energy if the net capacity provided to the RTP does not exceed 75 MVA



Step 3 – Applying Exclusions

Exclusion E2

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RTP DEFINITION

Applying the RTP definition

E4: Reactive Power devices installed solely to serve load

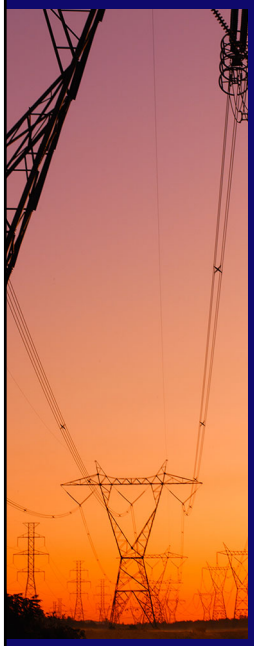
Essentially :

- **All Reactive Power resources that are part of a substation that are excluded by E1 (radial networks) or E3 (local networks)**

Step 3 – Applying Exclusions

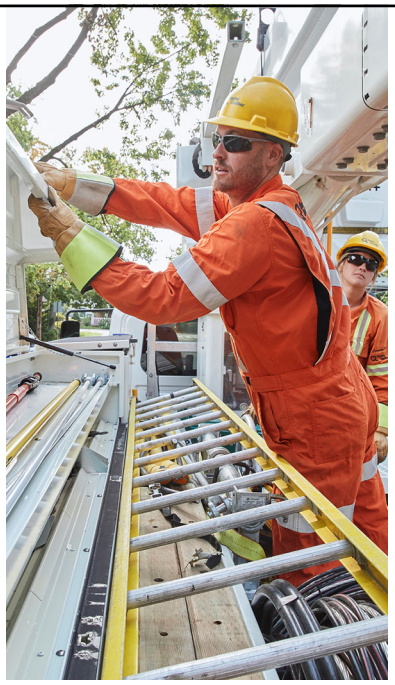
Exclusion E4

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Annual Self-declaration Process for Registered Entities

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MAIN TRANSMISSION SYSTEM

Annuel Self-declaration of Registered Entities

- Registered entities participate by completing the form;
- The Coordinator is available to assist registered entities in completing their self-declaration.

- First annual self-declaration: June 1, 2025
- Second annual self-declaration: **June 1, 2026**
- Every year, the **deadline is June 1st**

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MAIN TRANSMISSION SYSTEM

Annual Self-declaration Form

Hydro Québec

Main Transmission System
Annual self-declaration form

Area reserved for use by the Reliability Coordinator for Québec	
Self-declaration number	Date received (YYYY-MM-DD)

Instructions

Complete and submit this form by June 1 of each year to fiabilite@hydroquebec.com with the following in the email subject line: **Annual self-declaration**.

Fill out the table entitled "List of Facilities included in the RTP" and attach the Excel file to your annual self-declaration.

Any information submitted in this form will be used by the Reliability Coordinator for Québec solely to fulfill its obligations under the *Act respecting the Régie de l'énergie*. All information submitted will be assigned the appropriate level of confidentiality upon receipt.

All capitalized terms and acronyms are defined in the *Glossary of Terms and Acronyms used in Reliability Standards* (the "Glossary"), which is based on the *Glossary of Terms Used in NERC Reliability Standards*.

If you have new Facilities since the previous year, you must fill out the Excel file.

Hydro Québec

Main Transmission System
Annual self-declaration form

Section I
Fill in the following information

Name of Registered Entity	
Address (civic No. street, floor, city or municipality, province, postal code)	
Date of self-declaration (YYYY-MM-DD)	

Section II
Technical expert

First name and last name	Telephone	Fax
Title	Email	
Address (civic No., street, floor, city or municipality, province, postal code)		

Certificate

☐ This self-declaration is accompanied by a list of Facilities which, according to our interpretation, meet the RTP definition effective in Québec.
☐ The list of Facilities subject to Reliability Standards is identical to the one provided with last year's self-declaration.

Signature

First name and last name	
Signature	Date YYYY-MM-DD

Special Notes

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MAIN TRANSMISSION SYSTEM

Annual Self-declaration Form

Only provide the information requested for **new** Facilities in comparison to the previous year

Hydro Québec

List of Facilities included in the RTP

Diffusion restreinte
Main Transmission System (RTP)

Please attach this list to your annual self-declaration form

Facility name	Element category	Element subcategory	QC jurisdiction?	Applicable Inclusion(s) (I2, I3, I4 and/or I6)	Substation connecting the Element to the transmission system	Connection voltage (kV) to the transmission system	Gross nameplate rating (MVA)

Generation Facility | Circuit | Direct current (DC) converter | Reactive power device | System | +



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RTP Exception Process

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MAIN TRANSMISSION SYSTEM

Exception Process

Good to know!

Requests may be submitted to the Coordinator at any time

To remove or add Facilities to the RTP:

Complete the RTP exception request form

For a newly constructed Facility:

The request must be submitted at least 12 months prior to the commissioning date

Exception request for a point of interconnection with a neighboring system:

Requires proof that an exception request has also been submitted in the neighboring jurisdiction.

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Public

RTP METHODOLOGY

Exception Process

Goals:

- Exception process to **remove** or **add** the registration of certain elements to the RTP;
- **Facilitate** and **promote** the participation of applicable entities in Québec's reliability framework.



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MAIN TRANSMISSION SYSTEM

Exception request process

1. The Requesting Entity completes the RTP exception request form

2. The entity sends it to the Coordinator via its email address. (fiabilite@hydro.qc.ca)

3. The Coordinator reviews the request (up to 6 months)

4. Data exchange, if required (30-day timeframe)

5. The Coordinator provides a preliminary conclusion

6. The applicable entity reviews the preliminary conclusion (15-day timeframe)

7. Revision of the preliminary conclusion, if required

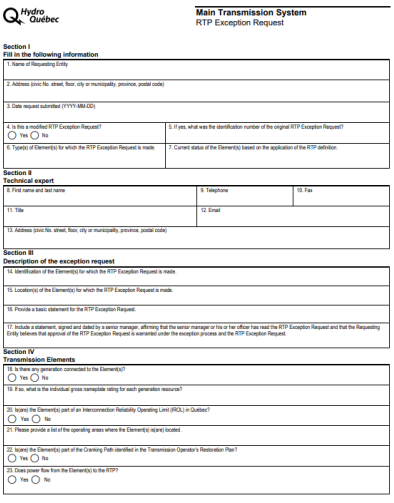
8. The Coordinator issues a conclusion (fully accepts, partially accepts, or rejects)

9. The Coordinator updates the Register (filed with the Régie as part of the annual update).

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MAIN TRANSMISSION SYSTEM

RTP Exception Request Form



Hydro Québec

Main Transmission System
RTP Exception Request

Section I
Fill in the following information

1. Name of Requesting Entity

2. Address (civic No. street, floor, city or municipality, province, postal code)

3. Date request submitted (YYYY-MM-DD)

4. Is this a modified RTP Exception Request?
◯ Yes ◯ No

5. If yes, what was the identification number of the original RTP Exception Request?

6. Type(s) of Element(s) for which the RTP Exception Request is made.

7. Current status of the Element(s) based on the application of the RTP definition.

Section II
Technical expert

8. First name and last name

9. Telephone

10. Fax

11. Title

12. Email

13. Address (civic No. street, floor, city or municipality, province, postal code)

Section III
Description of the exception request

14. Identification of the Element(s) for which the RTP Exception Request is made.

15. Location(s) of the Element(s) for which the RTP Exception Request is made.

16. Provide a basic statement for the RTP Exception Request.

17. Include a statement, signed and dated by a senior manager, affirming that the senior manager or his or her officer has read the RTP Exception Request and that the Requesting Entity believes that approval of the RTP Exception Request is warranted under the exception process and the RTP Exception Request.

Section IV
Transmission Elements

18. Is there any generation connected to the Element(s)?
◯ Yes ◯ No

19. If so, what is the individual gross nameplate rating for each generation resource?

20. Is(are) the Element(s) part of an Interconnection Reliability Operating Limit (IROL) in Québec?
◯ Yes ◯ No

21. Please provide a list of the operating areas where the Element(s) is(are) located.

22. Is(are) the Element(s) part of the Cranking Path identified in the Transmission Operator's Restoration Plan?
◯ Yes ◯ No

23. Does power flow from the Element(s) to the RTP?
◯ Yes ◯ No

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Additional support

Contact our team via email
fiabilite@hydroquebec.com

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Survey

Self-declaration **deadline** is **June 1st.**

A **survey** will be sent out the week of June 1st – Important to fill it out for the performance review requested by the Régie.

Thank you!

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